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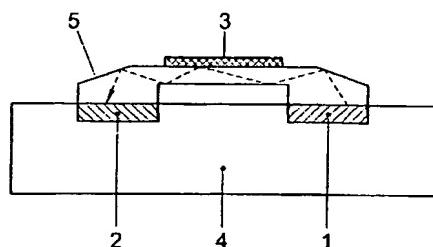
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(54) Title: LIGHT EMITTING DIODE



(57) Abstract: The invention relates to a light emitting diode having at least one (semi)conductive electroluminescent active layer which comprises at least two different electroluminescent functionalities, wherein the emission spectrum of the diode exhibits at least two intensity maxima. The invention further relates to a detector which comprises a light emitting diode which is capable of emitting light at least two mutually separate intensity maxima.

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## INTERNATIONAL SEARCH REPORT

PCT/NL2004/000432

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L51/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L G01N G01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ZHANG CHI ET AL: "Gallium nitride/conjugated polymer hybrid light emitting diodes: Performance and lifetime" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 84, no. 3, 1 August 1998 (1998-08-01), pages 1579-1582, XP012045635 ISSN: 0021-8979 page 1579, left-hand column page 1580, left-hand column, paragraph 3; figure 3a page 1581, left-hand column	1-4, 7, 9-12
Y	----- -----	18

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Faou, M

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